

FORM PTO-1449
(Rev. 2-32)U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

Serial No.

99,720

09/521,788

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Applicant:
Michael S. Borella et al.Filing Date:
March 9, 2000Group:
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
MP	5,793,763	08-11-98	Mayes et al.	370	389	11-03-95
MP	5,636,216	06-03-97	Fox et al.	370	402	04-08-94
VS	5,227,778	07-13-93	Vacon et al.	340	825.52	04-05-91
SG	5,550,984	08-27-96	Gelb	395	200.17	12-07-94
SD	5,867,660	02-02-99	Schmidt et al.	395	200.57	05-11-95
LB	5,872,847	02-16-99	Boyle et al.	380	25	07-30-96
LA	5,812,819	09-22-98	Rodwin et al.	395	500	06-05-95
SG	5,708,655	01-13-98	Toth et al.	370	313	06-14-96
TD	5,159,592	10-27-92	Perkins	370	85.7	10-29-90
U	6,055,236	4-25-00	Nesbett et al.	370	389	03-17-99
DS	6,011,782	01-04-00	DeSimone et al.	370	260	05-08-97
JK	5,526,489	06-11-96	Nilakantan et al.	395	200.02	03-19-93
JK	5,889,774	03-30-99	Mirashrafi et al.	370	352	03-14-97
JK	5,737,333	04-07-98	Civanlar et al.	370	352	06-23-95
JK	5,654,957	08-05-97	Koyama	370	355	05-09-95
JK	5,604,737	02-18-97	Iwami et al.	370	352	12-13-94
JK	5,867,495	02-02-99	Elliott et al.	370	352	11-18-96
JK	5,526,353	06-11-96	Henley et al.	370	60.1	12-20-94
JK	5,742,596	04-21-98	Baratz et al.	370	356	12-14-95
JK	5,950,195	09-07-99	Stockwell et al.	707	4	09-18-96
JK	6,079,021	06-20-00	Abadi et al.	713	202	06-02-97

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	22.	6,134,591	10-17-00	Nickles	709	229	06-18-97
	23.	5,933,778	08-03-99	Buhrmann et al.	455	461	06-04-96
	24.	5,915,008	06-22-99	Dulman	379	201	10-04-05
	25.	5,606,594	02-25-97	Register et al.	379	58	01-27-94
	26.	5,497,339	03-05-96	Bernard	364	705.5	08-02-94
	27.	4,953,198	08-28-90	Daly et al.	379	61	07-05-89
	28.	6,055,561	04-25-00	Feldman et al.	709	200	09-30-97
	29.	6,104,711	08-15-00	Voit	370	352	03-06-97
	30.	6,101,543	08-08-00	Alden et al.	709	229	10-25-96
	31.	5,892,924	04-06-99	Lyon et al.	395	200.75	01-31-96
	32.	6,058,421	05-02-00	Fijolek et al.	709	225	02-04-98
	33.	6,115,751	09-05-00	Tam et al.	709	240	04-10-97
	34.	6,195,705	02-27-01	Leung	709	245	06-30-98
	35.	6,266,707	07-24-01	Boden et al.	709	245	08-17-98
	36.	6,101,189	08-08-00	Tsuruoka	370	401	09-18-97
	37.	6,137,791	10-24-00	Frid et al.	370	352	03-25-97
	38.	6,353,891	03-05-02	Borella et al.	713	201	08-09-00
	39.	6,353,614	03-05-02	Borella et al.	370	389	03-05-98
	40.	6,269,099	07-31-01	Borella et al.	370	389	07-01-98

FORM PTO-1449 (Rev. 2-32)		U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 99,720	Serial No. 09/521,788
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JP	41. 6,172,986	01-09-01	Watanuki et al.	370	466	05-07-98
JP	42. 5,862,331	01-19-99	Herriot	395	200.49	06-21-96
JP	43. 6,249,820	06-19-01	Dobbins et al.	709	238	05-06-98
JP	44. 6,212,563	04-03-01	Beser	709	227	10-01-98
JP	45. 5,835,723	11-10-98	Andrews et al.	395	200.56	12-28-95
JP	46. 5,754,547	05-19-98	Nakazawa	370	401	04-26-96
JP	47. 6,212,183	04-03-01	Wilford	370	392	08-22-97
JP	48. 6,185,184	02-06-01	Mattaway et al.	370	230	09-25-96

FOREIGN DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation
JP	49. WO 01/31888 A1	05-03-01	PCT	H04L	29/06	

OTHER DOCUMENTS (Including Author, Title, Data, Pertinent Pages, Etc.)

JP	50. G. Montene, Internet Engineering Task Force, Internet Draft, "Negotiated Address Reuse" (NAR), <draft-montenegro-aatn-nar-00.txt>, May 1998, Pgs. 1 to 22.
JP	51. George Tsirtsis, Alan O'Neill, Internet Engineering Task Force, Internet Draft, "NAT Bypass for End 2 End 'Sensitive' Applications," <draft-tsirtsis-nat-bypass-00.txt>, January 1998, Pgs. 1 to 5.
JP	52. George Tsirtsis, Pyda Srihuresh, Internet Engineering Task Force, Internet Draft, "Network Address Translation – Protocol Translation" (NAT-PT), <draft-ietf-ngrtrans-natpt-04.txt>, January 1999, Pgs. 1 to 13.

FORM PTO-1449 (Rev. 2-32)		U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 99,720	Serial No. 09/521,788
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT				
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		RECEIVED		
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		Technology Center 2100		

OTHER DOCUMENTS (Including Author, Title, Data, Pertinent Pages, Etc.)

53.	Jeffrey Lo, K. Taniguchi, Internet Engineering Task Force, Internet Draft, "IP Host Network Address (and port) Translation," <draft-ietf-nat-hnat-00.txt>, November 1998, Pgs. 1 to 13.
54.	Michael Borella, David Grabelsky, Ikhlaq Sidhu, Brian Petry, Internet Engineering Task Force, Internet Draft, "Distributed Network Address Translation," <draft-borella-aatn-dnat-01.txt>, October 1998, Pgs. 1 to 21.
55.	P. Srisuresh, G. Tsirtsis, P. Akkiraju, A. Heffernan, Internet Engineering Task Force, Internet Draft, "DNS Extensions to Network Address Translators" (DNS_ALG), <draft-ietf-nat-dns-alg-01.txt>, October 1998, Pgs. 1 to 24.
56.	P. Srisuresh, Internet Engineering Task Force, Internet Draft "Security for IP Network Address Translator (NAT) Domains," <draft-ietf-nat-security-00.txt>, November 1998, Pgs. 1 to 11.
57.	P. Srisuresh, K. Eg, Internet Engineering Task Force, Internet Draft, "The IP Network Address Translator" (NAT), <draft-rfced-info-srisuresh-05.txt>, February 1998, Pgs. 1 to 24.
58.	P. Srisuresh, K. Egev, Internet Engineering Task Force, Internet Draft, "Traditional IP Network Address Translator (Traditional NAT)," <draft-ietf-nat-traditional-01.txt>, October 1998, Pgs. 1 to 17.
59.	P. Srisuresh, Matt Holdrege, Internet Engineering Task Force, Internet Draft, "IP Network Address Translator (NAT) Terminology and Considerations," <draft-ietf-nat-terminology-01.txt>, October 1998, Pgs. 1 to 28.
60.	Praveen Akkiraju, Yakov Rekhter, Internet Engineering Task Force, Internet Draft, "A Multihoming Solution Using NATs" <draft-akkiraju-nat-multihoming-00.txt>, November 1998, Pgs. 1 to 32.
61.	R. G. Moskowitz, Internet Engineering Task Force, Internet Draft, "Network Address Translation Issues with IPsec," <draft-moskowitz-net66-vpn-00.txt>, February 6, 1998, Pg. 1 to 8.
62.	R. Thay, N. Doraswa and R. Gle, Internet Engineering Task Force, Internet Draft "IP Security," <draft-ietf-ipsec-doc-roadmap-02.txt>, November 1997, Pgs. 1 to 12.
63.	T. Hain, Internet Engineering Task Force, Internet Draft, "Architectural Implications of NAT," <draft-iab-nat-implications-02.txt>, October 1998, Pgs. 1 to 14.
64.	W.T. Teo, S.W. Yeow, R. Singh, Internet Engineering Task Force, Internet Draft, "IP Relocation Through Twice Network Address Translators," <draft-ietf-nat-rnat-00.txt>, February 1999, Pgs. 1 to 20.
65.	W.T. Teo, S.W. Yeow, R. Singh, Internet Engineering Task Force, Internet Draft, "Reverse Twice Network Address Translators" (RAT), <draft-teoyeow-mip-rat-01.txt>, December 1998, Pgs. 1 to 20.
66.	W.T. Teo, Y. Li, Internet Engineering Task Force, Internet Draft, "Mobile IP Extension for Private Internets Support," <draft-teoyeli-mobileip-mvpn-02.txt>, February 1999, Pgs. 1 to 24.
67.	Yakov Rekhter, Internet Engineering Task Force, Internet Draft, "Implications of NATs on the TCP/IP Architecture," <draft-ietf-nat-arch-implications-00.txt>, February 1999, Pgs. 1 to 7.

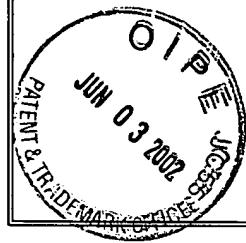
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U.S. PATENT & TRADEMARK OFFICE
RECEIVED

OTHER DOCUMENTS (Including Author, Title, Data, Pertinent Pages, Etc.)

68.	K. Egevang, and P. Francis, Internet Engineering Task Force, ("IETF"), Request for Comments ("RFC") RFC-1631, "The IP Network Address Translator (NAT)", May 1994, Pages 1 – 10.
69.	Borella, Michael, <i>Technology Update – Protocol Helps Stretch IPv4 Addresses</i> , "Network World", Volume 17, No. 3, January 17, 2000, p. 43.
70.	Kent, Stephen, <i>Evaluating Certification Authority Security</i> , Aerospace Conference, 1998 IEEE, Online, Vol. 4, pp. 319-327 (March 21-23, 1998).
71.	Thayer, Rodney, <i>Bulletproof IP With Authentication and Encryption IPSec Adds a Layer of Armor to IP</i> , Data Communications, Vol. 26, No. 16, pp. 55-58, 60 (November 21, 1997)
72.	Borella, M., Grabelsky, D., Lo, J., Tuniguchi, K., Internet Engineering Task Force, Internet Draft, "Realm Specific IP: Protocol Specification <draft-ietf-nat-rsip-protocol-06.txt>", March 2000, Pgs. 1-48.
73.	Borella, M., Grabelsky, D., Lo, J., Tuniguchi, K., Internet Engineering Task Force, Internet Draft, "Realm Specific IP: Protocol Specification <draft-ietf-nat-rsip-protocol-07.txt>", July 2000, Pgs. 1-49.
74.	Montenegro, G., Internet Engineering Task Force, Internet Draft, "RSIP Support for End-to-End IPsec," <draft-ietf-nat-rsip-ipsec-04.txt>, July 2000, Pgs. 1 to 17.
75.	Borella, M., Lo, J., Grabelsky, D., Montenegro, G., Internet Engineering Task Force, Internet Draft, "Realm Specific IP: Framework <draft-ietf-nat-rsip-framework-05.txt>", July 2000, Pgs. 1-30.
76.	Borella, M., Montenegro, G., <i>RSIP: Address Sharing with End-To-End Security</i> , USENIX Conference, San Francisco, California, March 9, 2000, pgs. 1-9.
77.	Handley, M., et al. <i>SIP: Session Initiation Protocol</i> , Network Working Group, Request for Comments 2543, March 1999, Pgs. 1 to 153.
78.	ITU-T Recommendation H.225.0, <i>Call Signaling Protocols and Media Stream Packetization for Packet-Based Multimedia Communication Systems</i> , Series H: Audiovisual and Multimedia Systems – Infrastructure of Audiovisual Services – Transmission Multiplexing and Synchronization, (February, 1998)
79.	ITU-T Recommendation H.323, <i>Packet-Based Multimedia Communications Systems</i> , Series H: Audiovisual and Multimedia Systems – Infrastructure of Audiovisual Services – Systems and Terminal Equipment for Audiovisual Services, (February, 1998)
80.	McCanne et al., "The BSD Packet Filter: A New Architecture for User-Level Packet Capture," Proceedings of the 1993 Winter USENIX Technical Conference (Jan. 1993)
81.	Postel, J., <i>User Datagram Protocol</i> , Request for Comments 768, August 1980, pgs. 1 to 3.
82.	Postel, J., <i>Internet Protocol</i> , Request for Comments 791, September 1981, pgs. 1 to 45.
83.	Postel J., <i>Internet Control Message Protocol</i> , Request for Comments 792, September 1981, pgs. 1 to 21.

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 99,720	Serial No. 09/521,788
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
RECEIVED JUN 04 2002			
Technology Center 2100			


OTHER DOCUMENTS (Including Author, Title, Data, Pertinent Pages, Etc.)

84.	Postel, J., <i>Transmission Control Protocol</i> , Request for Comments 793, September 1981, pgs. i to 84.
85.	Postel, J., <i>File Transfer Protocol (FTP)</i> , Request for Comments 959, October 1985, pgs. 1 to 69.
86.	Jacobson, V., <i>TCP Extensions for High Performance</i> , Request for Comments 1323, May 1992, pgs. 1 to 37.
87.	Droms, R., <i>Dynamic Host Configuration Protocol</i> , Request for Comments 2131, March 1997, pgs. 1 to 45.
88.	Stevens, W., <i>Advanced Sockets API for IPv6</i> , Request for Comments 2292, February 1998, pgs. 1 to 67.
89.	Gilligan, R. et al., <i>Basic Socket Interface Extensions for IPv6</i> , Request for Comments 2553, March 1999, pgs. 1 to 41.
90.	Srisuresh, P., et al., <i>IP Network Address Translator (NAT) Terminology and Considerations</i> , Request for Comments 2663, August 1999, Pgs. 1 to 30.
91.	Maurice J. Bach, <i>The Design of the Unix Operating System</i> , Prentice Hall Software Series, 1986, pages 382-390.
92.	"Cisco IOS Release 12.0 Network Protocols Configuration Guide, Part 1", Configuring IP Addressing, Cisco Systems, 1998, pages PIC-7 to PIC-58.
93.	Durand, Alain, <i>Deploying Ipv6</i> , IEEE INTERNET COMPUTING, http://computer.org/internet , January-February 2001, pgs. 79 – 81.
94.	3COM SIP Solutions 1.0 benefits brochure. (4 total pages)
95.	Sidhu, Ikhlaq and Bezaitis, Andrew, Eat or be eaten, www.americasnetwork.com/issues/99issues/991101/991191_eat.htm , printed 5/10/00. (6 total pages)
96.	Myers, Brad A.; Stiel, Herb; and Gargiulo, Robert, Collaboration Using Multiple PDAs Connected to a PC, Proceedings of the ACM 1998 conference on Computer supported cooperative work, November 14-18, 1998, Seattle, WA. (total 11 pages)
97.	Dalgic, Ismail; Borella, Michael; Dean, Rick; Grabiec, Jacek; Mahler, Jerry; Schuster, Guido; and Sidhu, Ikhlaq, True Number Portability and Advanced Call Screening in a SIP-Based IP Telephony System, <i>IEEE Communications Magazine</i> , Vol. 37, No. 7, July 1999, pp. 96-101. (8 total pages)
98.	Handley/Schulzrinne/Schooler/Rosenberg, SIP: Session Initiation Protocol, Internet Engineering Task Force, draft-ietf-sip-rfc2543bis-02.ps . September 4, 2000. (131 pages)
99.	Borella, M., Lo, J., Grabelsky, D., Montenegro, G., IETF Proceedings presentation, "Realm Specific IP: Protocol Specification <draft-nat-rsip-protocol-00.txt>, 4/9/99 (13 pages).
100.	Marsan, Carolyn Duffy, The Next Best Things to Ipv6? Network World Fusion at http://www.nbwfusion.com/news/1999/0920ipv6.html , March 29, 2000, pgs 1-3.

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OTHER DOCUMENTS (Including Author, Title, Data, Pertinent Pages, Etc.)

101	Borella, M., Lo, J., Grabelsky, D., Montenegro, G., Internet Engineering Task Force, Internet Draft, "Realm Specific IP: Framework <draft-ietf-nat-rsip-framework-.04.txt>", March 2000, Pgs. 1-30.
102	IETF March 1999 Proceedings, 2.7.10 Network Address Translators (nat), pgs. 1-13.
103	Rosenberg, Jonathan D. and Shockley, Richard, The Session Initiation Protocol (SIP): A Key Component for Internet Telephony, ComputerTelephony.com, June 2000, pages 124-139.
104	Fenner, W., <i>Internet Group Management Protocol Version 2</i> , RFC 2236, November 1997, pgs. 1-24.
105	Mogul, J. et al., "Internet Standard Subnetting Procedure", RFC 950, August, 1985, pgs. 1-18.
106	Schulzrinne et al., "RTP: A Transport Protocol for Real-Time Applications", RFC 1889, pgs. 1-75.
107	Privat, Jermone, "Double Phase DHCP Configuration", <draft-privat-dhc-doublephase-01.txt>, Internet Engineering Task Force, September 1999, pps. 1-4.
108	Borella, Michael et al., "Realm Specific IP: Protocol Specification", <draft-ietf-nat-rsip-protocol-02.txt>, Internet Draft, August 1999, pps. 1-27.
109	Gilligan, R. et al., "Transition Mechanisms for IPv6 Hosts and Routers", RFC 1933, April 1996, pps. 1-22.
110	Afifi, H. et al., "Method for IPv4-IPv6 Transition", Proceedings IEEE International Symposium on Computers and Communications, July 6-8, 1999, pps. 478-484.

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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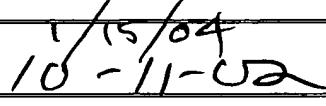
U. S. PATENT DOCUMENTS

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	6	1	5	7	9	5	0	05-Dec-00	Krishnan		709	223	05-Dec-97

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

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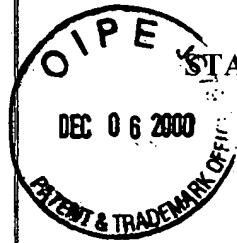
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MSB	5	7	9	3	6	5	7	11-Aug-98	Nemoto			RECEIVED DEC 11 2000
MSB	5	3	2	7	3	6	5	5-Jul-94	Fujisaki et al.			Technology Center 2100

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												Yes	
													No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.).

Examiner Initials	Date	
MSB	Mar 1999	RFC2522-“Photuris: Session-Key Management Protocol,” P. Karn, Qualcomm; W. Simpson, DayDreamer; The Internet Society, March 1999 (See Explicitly: Section 3-“Cookie Exchange”).
MSB	Nov 1998	RFC2408-“Internet Security Association and Key Management Protocol (ISAKMP),” D. Maughan, National Security Agency; M. Schertler, Securify, Inc.; M. Schneider, National Security Agency; J. Turner, RABA Technologies, Inc.; The Internet Society, November 1998 (See Explicitly: Section 1.7.1 “Anti-Clogging-Denial of Service”).
MSB	Various	“Random Number Generators,” Computational Science Education Project, 1991, 1992, 1993, 1994, 1995.
MSB	1995	“10 Random Numbers,” Ian Foster, 1995.
EXAMINER	<i>MSB</i>	DATE CONSIDERED <i>10-11-00</i> 1/18/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformation and not considered. Include copy of this form with next communication.